

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-9 (cancelled).

Claim 10 (original): A preparation method of the nuclear fuel body comprising the following steps:

- (1) Preparing a green body composed of nuclear fuel powder and tungsten-containing powder (Step 1);
- (2) Preparing a preliminary sintered body, in which tungsten particles are dispersed, by heating the above green body in a reducing gas (Step 2);
- (3) Forming liquid tungsten oxide network in the preliminary sintered body by heating in an oxidizing gas (Step 3); and
- (4) Preparing a nuclear fuel body comprising solid tungsten network by heating in a reducing gas the above preliminary sintered body having a liquid tungsten oxide network (Step 4).

Claim 11 (original): The preparation method of the nuclear fuel body as set forth in claim 10, wherein the step 1 further includes preparing a powder mixture by mixing fuel powder and tungsten-containing powder, and making a green body by loading and pressing the powder mixture in a mold.

Claim 12 (original): The preparation method of the nuclear fuel body as set forth in claim 10, wherein the step 1 further includes loading the tungsten-containing powder in the center and the fuel powder in the surroundings, and pressing to make a green body.

Claim 13 (original): The preparation method of the nuclear fuel body as set forth in claim 10, wherein the green body is prepared by loading and pressing the fuel powder only and then putting the tungsten-containing powder, confined by a cap, on the surface of the green body in step 1, and the preliminary sintered body where tungsten particles adhere to the surface is prepared by heating the green body in a reducing gas in step 2.

Claim 14 (original): The preparation method of the nuclear fuel body as set forth in claim 10, wherein the heating temperature of step 2 is 1100-2000°C.

Claim 15 (original): The preparation method of the nuclear fuel body as set forth in claim 10, wherein the reducing gas is hydrogen and further includes one selected from a group consisting of nitrogen, inert gas, carbon dioxide, carbon monoxide, steam and mixtures thereof.

Claim 16 (original): The preparation method of the nuclear fuel body as set forth in claim 10, wherein the heating temperature of step 3 is 1100-1800°C.

Claim 17 (original): The preparation method of the nuclear fuel body as set forth in claim 10, wherein the oxidizing gas is

one selected from a group consisting of carbon dioxide, steam and a mixed gas selected from a group consisting of a mixed gas of carbon dioxide and carbon monoxide, a mixed gas of hydrogen and steam, a mixed gas of hydrogen and carbon dioxide, a mixed gas of inert gas and oxygen, and a mixed gas of nitrogen and oxygen.

Claim 18 (original): The preparation method of the nuclear fuel body as set forth in claim 10, wherein the heating temperature of step 4 is 1100-2000°C.

Claim 19 (original): The preparation method of the nuclear fuel body as set forth in claim 10, wherein the nuclear fuel powder is uranium oxide or the mixture prepared by mixing uranium oxide and one or more selected from a group consisting of plutonium oxide, thorium oxide and gadolinium oxide.

Claim 20 (original): The preparation method of the nuclear fuel body as set forth in claim 10, wherein the tungsten-containing powder is one selected from the group consisting of tungsten powder, tungsten oxide powder and mixtures thereof.

Claim 21 (original): The preparation method of the nuclear fuel body as set forth in claim 10, wherein the step 1 further includes preparing a powder mixture by mixing fuel powder and tungsten-containing powder, loading the powder mixture in the inner cylinder void of a mold and the fuel powder only in the outside ring void, and making a green body by pressing the powders in a mold.

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Claim 22 (original): The preparation method of the nuclear fuel body as set forth in claim 10, wherein the amount of the tungsten-containing powder is between 0.2 and 50% by weight of the green body.